

FORM PTO-144  
(REV. 7-80)U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.:  
200.1079con2SERIAL NO.:  
10/056,347

## LIST OF PRIOR ART CITED BY APPLICANT

(Use additional sheets if necessary)

APPLICANT(S):  
Ronald M. BURCH et al.FILING DATE:  
January 25, 2002

GROUP: 1639

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
/J.E./	AA	4 4 6 4 3 7 6	08/07/1984	Sunshine et al.	424	253	
	AB						
	AC						
	AD						
	AE						
	AF						
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## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	AH							
	AI							
	AJ							
	AK							
	AL							

## OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

/J.E./	AM	Degner, Frank, et al., "Efficacy and Tolerability of Meloxicam in an Observational, Controlled Cohort Study in Patients with Rheumatic Disease", Clin Therapeutics (Nov 2000) 22: 400-410.
/J.E./	AN	Lanes, Stephan et al., "Baseline Risk of Gastrointestinal Disorders Among New Users of Meloxicam, Ibuprofen, Diclofenac, Naproxen and Indomethacin", Pharmacoepidemiology and Drug Safety (2000) 9:113-117.
/J.E./	AO	Van Hecken, Anne, et al., "Comparative Inhibitory Activity of Rofecoxib, Meloxicam, Diclofenac, Ibuprofen, and Naproxen on COX-2 versus COX-1 in Healthy Volunteers", J Clin Pharmacol (2000) 40: 1109-1120.
/J.E./	AP	Richy, F., et al., "Time dependent risk of gastrointestinal complications induced by non-steroid anti-inflammatory drug use: a consensus statement using a meta-analytic approach", Ann Rheum Dis (2004) 64:759-766.
	AQ	
	AR	
	AS	

EXAMINER

/Jon Epperson/

DATE CONSIDERED

08/17/2007

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FORM PTO-1449 (REV. 1-98)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE				ATTY. DOCKET NO.: 200.1079CON2		SERIAL NO.: Not yet known	
LIST OF PRIOR ART CITED BY APPLICANT (Use several sheets if necessary)						APPLICANT(S): Ronald M. BURCH, et al.			
						FILING DATE: Herewith		GROUP: Not Yet Known	

U.S. PATENT DOCUMENTS													
*EXAMINE R INITIAL	AA	DOCUMENT NUMBER							DATE	NAME	CLASS	SUBCLAS S	FILING DATE IF APPROPRIATE
/J.E./	AA	5	8	5	9	2	5	7	01/12/99	Talley	548	247	08/14/96
↓	AB	5	8	6	3	9	2	2	01/26/99	Mayer, et al.	514	270	07/02/99
	AC	5	8	4	0	7	3	1	11/24/98	Mayer, et al.	514	289	08/02/95
	AD	5	8	6	9	4	9	8	02/09/99	Mayer, et al.	514	282	07/07/97
	AE	5	8	6	1	4	1	9	01/19/99	Dube, et al.	514	334	07/11/97
	AF	5	7	8	9	4	1	3	08/04/98	Black, et al.	514	255	01/21/97
	AG	5	6	0	4	2	6	0	02/18/97	Guay, et al.	514	605	11/04/93
	AH	5	4	5	8	8	7	9	10/17/95	Singh, et al.	424	400	09/30/94
	AI	5	5	1	6	8	0	3	05/14/96	Raffa	514	570	03/01/95
	AJ	5	8	4	3	4	6	8	12/01/98	Burkoth, et al.	424	448	05/13/96

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)		
/J.E./	AK	Differential Inhibition of Cyclooxygenase-1 (COX-1) and -2 (COX) By NSAIDS: Consequences on Anti-Inflammatory Activity Versus Gastric and Renal Safety, M. Pairet, et al., <i>Inflammopharmacology</i> 4; 61-70, (1996).
↓	AL	Differential effects of inhibitors of cyclooxygenase (cyclooxygenase 1 and cyclooxygenase 2) in acute inflammation, Derek W. Gilroy, et al. <i>European J. Pharm</i> 355 pp 211-217, (1998).
	AM	Cyclooxygenases 1 and 2, J.R. Vane, et al. <i>Annu. Rev. Pharmacol. Toxicol.</i> 38: 97-121, (1998).
	AN	Analysis of the effects of cyclooxygenase (COX)-1 and COX-2 in spinal nociceptive transmission using indomethacin, a non-selective COX inhibitor, and NS-398, a COX-2 selective inhibitor, Tatsuo Yamamoto, et al. <i>Brain Research</i> 739:104-110, (1996)
	AO	Comparative Analgesic Efficacy of Nimesulide and Diclofenac Gels after Topical Application on the Skin, S. Sengupta, et al., <i>Skin Pharmacol. And Applied Skin Phys.</i> 11:273-278, (1998).
	AP	Carrageenan-induced hyperalgesia is associated with increased cyclo-oxygenase-2 expression in spinal cord, Cartiona Hay and Jacqueline de Belleruche, <i>Neuro Report</i> 8, 1249-1251, (1997).
	AQ	The Mechanisms of Action of NSAIDs in Analgesia, Jeremy N. Cashman, <i>Drugs</i> 52 Supp. 5:13-23, (1996).
	AR	Differential effects of inhibition of isoforms of cyclooxygenase (COX-1, COX-2) in chronic inflammation, D.W. Gilroy, et al. <i>Inflamm. Res.</i> 47:79-85, (1998).
	AS	Constitutive Cyclooxygenase (COX-1) and Inducible Cyclooxygenase (COX-2): Rationale for Selective Inhibition and Progress to Date, Don E. Griswold and Jerry L. Adams, <i>Medicinal Research Reviews</i> , Vol. 16, No. 2, pp. 181-206, (1996).

EXAMINER <div style="text-align: center;">/Jon Epperson/</div>	DATE CONSIDERED <div style="text-align: center;">08/17/2007</div>
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<b>LIST OF PRIOR ART CITED BY APPLICANT</b>  (Use several sheets if necessary)				APPLICANT(S): Ronald M. BURCH, et al.			
				FILING DATE: Not Yet Known		GROUP: Not Yet Known	
<b>U.S. PATENT DOCUMENTS</b>							
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLAS S	FILING DATE IF APPROPRIATE
	BA						
	BB						
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<b>FOREIGN PATENT DOCUMENTS</b>							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLAS S	TRANSLATION YES NO
	BL						
<b>OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)</b>							
/J.E./	BM	Cyclooxygenase in biology and disease, Raymond N. Dubois, et al., FASEB J. Vol. 12 pp. 1063-1073 (1998).					
↓	BN	<u>Pharmacology of Meloxicam, A new Non-Steroidal Anti-Inflammatory Drug With An Improved Safety Profile Through Preferential Inhibition of COX-2, G. Engelhardt, British J. Rheumatology, 35 (supp 1):4-12, (1996)</u>					
↓	BO	<u>Cyclooxygenase 1 Contributes to Inflammatory Responses in Rats and Mice: Implications for Gastrointestinal Toxicity, John L. Wallace, et al. Gastroenterology, 115:101-109 (1998).</u>					
↓	BP	<u>Distinct isoforms (COX-1 and COX-2) of cyclooxygenase: possible physiological and therapeutic implications, M. Pairet and G. Engelhardt, Fundam. Clin. Pharmacol. 10:1-15, (1996).</u>					
↓	BQ	<u>Involvement of Prostaglandins Produced by Cyclooxygenase-1 in Murine Visceronoception Induced by Phenylquinone, Hidenobu Kusuvara, et al. Prostaglandins 55: 43-49, (1998).</u>					
↓	BR	<u>Effect of COX-1 and COX-2 Inhibition on Induction and Maintenance of Carrageenan-Evoked Thermal Hyperalgesia in Rats. D. Dirig, et al. J. Pharmacol. And Experimental Therapeutics Vol. 285, No. 3, pp 1031-1038.</u>					
EXAMINER				DATE CONSIDERED			
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						FILING DATE: Not Yet Known		GROUP: Not Yet Known	

U.S. PATENT DOCUMENTS												
*EXAMINER INITIAL	CA	CB	CC	CD	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLAS S	FILING DATE IF APPROPRIATE		

FOREIGN PATENT DOCUMENTS												
EXAMINER INITIAL	CE	CF	CG	CH	CI	CJ	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLAS S	TRANSLATION YES NO
/J.E./							9 9 0 7 4 1 3	2/18/99	WO			
/J.E./							9 9 3 2 1 1 9	7/1/99	WO			

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)		
/J.E./	CK	Effect of meloxicam on postoperative pain after abdominal hysterectomy, J.P. Thompson et al. British Journal of Anaesthesia 84 (2) 151-4 (2000).
↓	CL	Intrathecal cyclooxygenase inhibitor administration attenuates morphine antinociceptive tolerance in rats. C.S. Wong et al., British Journal of Anaesthesia 85 (5) 747-51 (2000).
↓	CM	Cyclooxygenase inhibitors increase morphine effects on mesolimbic dopamine neurons, M. Melis, et al. Eur. J. Pharmacology 387 (1) R1-R3 (2000).
↓	CN	Synergistic antiallodynic effects of spinal morphine with ketorolac and selective COX-1 and COX-2 inhibitors in nerve-injured rats, J.M. Lashbrook, et al. Pain 82 (1) 65-72 (1999).
↓	CO	Enhancement of opioid inhibition of gaba-ergic synaptic transmission by cyclo-oxygenase inhibitors in rat periaqueductal grey neurones, Vaughn et al. British Journal of Pharmacology 123 (8) 1479-81 (1998).

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/J.E./	DA	5	4	7	4	9	9	5	12/12/95	Ducharme et al.	514	241	01/10/94	
/J.E./	DB	5	6	9	1	3	7	4	11/25/97	Black et al.	514	473	05/18/95	
	DC													
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	DL													
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/J.E./	EA	3	8	0	0	0	4	1		03/26/74	Miller, et al.	424	273	03/02/71
	EB	4	3	2	2	4	2	7		03/30/82	Buyinski, et al.	424	260	04/16/81
	EC	4	3	3	8	3	2	4		06/06/82	Gardocki	424	266	03/17/81
	ED	4	4	0	4	2	1	0		09/13/83	Schmidt	424	260	06/30/82
	EE	4	4	0	7	8	0	4		10/04/83	Schmidt	424	260	06/30/82
	EF	4	4	0	7	8	0	5		10/04/83	Schmidt	424	260	06/30/82
	EG	4	4	6	4	3	7	6		08/07/84	Sunshine, et al.	424	253	10/11/83
	EH	4	4	8	6	4	3	6		12/04/84	Sunshine, et al.	424	253	03/11/83
	EI	4	4	8	9	0	8	0		12/18/84	Lomen	424	260	12/06/82

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER								DATE	COUNTRY	CLASS	SUBCLAS S	TRANSLATION	
														YES	NO
	EJ	2	0	2	3	3	4	9		02/18/91	Canada	A61K	31/44		
	EK	0	2	7	4	8	4	5		07/20/88	EP (A1)	A61K	31/19		
	EL	0	3	8	8	1	2	5		09/19/90	EP (A1)	A61K	31/485		

## OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

/J.E./	EM	Pharmacokinetics and Drug Input Characteristics for a Diclofenac-Codeine Phosphate Combination Following Oral and Rectal Administration A. Hansen, et al. <u>Arzneim-Forsch./Drug Res.</u> 46 (I) 57-63 (1996).												
/J.E./	EN	Comparison of a Standard Ibuprofen Treatment Regimen with a New Ibuprofen/Paracetamol/Codeine Combination in Chronic Osteo-arthritis G.K. Vlok, et al. Univ. Stellenbosch and Tygerberg Hospital, Dept. Orthopaedic Surg. pp 3-6, (1987).												
	EO													
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						FILING DATE: Not Yet Known		GROUP: Not Yet Known	
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↓	FA	4 5 6 7 1 8 3	01/28/86	Sunshine, et al.	514	264			
	FB	4 5 6 9 9 3 7	02/11/86	Baker, et al.	514	282			
	FC	4 5 7 1 4 0 0	02/18/86	Arnold	514	282			
	FD	4 5 8 7 2 5 2	05/06/86	Arnold	514	282			
	FE	4 6 1 9 9 3 4	12/28/86	Sunshine, et al.	514	277			
	FF	4 6 9 0 9 2 7	09/01/87	Voss, et al.	514	282			
	FG	4 8 3 9 1 7 6	06/13/89	Pahkhanian, et al.	424	465			
	FH	4 8 4 4 9 0 7	07/04/89	Elger, et al.	424	465			
	FI	4 9 2 7 8 5 4	05/22/90	Sunshine, et al.	514	570			
	FJ	5 1 6 4 3 9 8	12/17/92	Sims, et al.	514	282			
	FK	5 1 9 0 9 4 7	03/02/93	Riess, et al.	514	282			
	FL	5 2 4 0 6 9 4	08/31/93	Gwaltney, Jr.	424	45			
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DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLAS S	TRANSLATION				
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FM	0 0 6 8 8 3 8	06/25/82	EP (A1)	A61K	31/485				
FN	0 0 6 8 8 3 8	06/25/82	EP (B1)	A61K	31/485				
FO	2 0 8 1 6 0 4	05/01/95	Canada	A61K	031/135				
FP									
FQ									
<b>OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)</b>									
FR									
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<b>U.S. PATENT DOCUMENTS</b>									
*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLAS S	FILING DATE IF APPROPRIATE			
/J.E./ 	GA	5 4 0 9 9 4 4	04/25/95	Black, et al.	514	359	03/12/93		
	GB	5 4 3 6 2 6 5	06/25/95	Black, et al.	514	420	11/12/93		
	GC	5 5 1 0 3 6 8	04/23/96	Lau, et al.	514	419	05/22/95		
	GD	5 5 2 1 2 1 3	05/28/96	Prasit, et al.	514	443	08/29/94		
	GE	5 5 5 0 1 4 2	08/27/96	Ducharme et al.	514	365	05/08/95		
	GF	5 5 5 2 4 2 2	09/03/96	Gauthier, et al.	514	368	01/11/95		
	GG	5 6 0 4 2 5 3	02/18/97	Lau, et al.	514	415	05/22/95		
	GH	5 6 3 9 7 8 0	06/17/97	Lau, et al.	514	419	05/22/95		
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	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLAS S	TRANSLATION			
						YES	NO		
	GI								
	GJ								
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	GL								
	GM								
<b>OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)</b>									
/J.E./	GN	Anti-inflammatory Drugs and Their Mechanism of Action J.R. Vane, et al. Inflamm. Res. 47, Supplement 2 (1998).							
	GO								
	GP								
	GQ								
	GR								
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	HD						
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## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLAS S	TRANSLATION	
							YES	NO
	HL							
	HM							
	HN							
	HO							
	HP							

## OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

/J.E./	HQ	Rorarius et al., "Non-Steroidal Anti-Inflammatory Drugs for PostOperative Pain Relief," Curr. Opin. In Anaesthesiology, 7, 358-362). (1994)
↓	HR	Hanses et al. "Pharmacokinetics and Drug input Characteristics for a Disclufenac-Codeine Phosphate Combination Following Oral and Rectal Administration," Arzneim.-Forsch./Drug Res., 46(I), Nr. 1,57-63. (1996)
↓	HS	Merck Index, Twelfth Edition, Merck & Co. Publishers, page 1194. (1996)
↓	HT	Goodman and Gillman's: Pharmaceutical Basis of Therapeutics, "Chapter 22: Opioid Analgesics and Antagonists", MacMillan Publishing Co., Inc., pp-494-497, esp. Table 22-1, p. 496. (1980)

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